In the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

Claim 1 (currently amended) A plant for producing low-deuterium water from seawater comprising:

A) a solar still comprising:

1) a black pan for absorbing radiation from the sun and transferring resulting solar heat energy to seawater to evaporate the seawater to produce water vapor,

2) a condensate tank,

3) a porous membrane, defining an upper side and a lower side, and positioned above said black pan for condensing said water vapor into a condensate,

a) comprising diffusing ~~pours~~ pores permitting said condensate to diffuse from said lower side to said upper side, and

b) being positioned in a slope to permit said compensate on said upper side to drain into said condensate tank, and

B) a water treatment unit for reducing deuterium concentration in said condensate comprising:

1) a water filter to produce filtered condensate,

2) an electralizer for separating a portion of said filtered condensate into hydrogen and oxygen,

3) a reactor for combining at least a portion of said hydrogen and oxygen to produce heat and water having deuterium concentrations at least 50 percent lower than deuterium concentration in natural seawater, and

4) a heat transfer system to transfer heat energy produced in said reactor to said reactor to provide heat energy to supplement said solar heat energy.

Claim 2 (currently amended) The plant as in ~~Claim~~ claim 1 wherein said black pan is positioned on the sea and said black pan is a porous black pan having pours to permit seawater to diffuse to a top surface of said black pan.

Claim 3 (currently amended) The plant as in ~~Claim~~ claim 2 wherein said black pan is comprised of a polymer ~~micropourous~~ micro-porous hydrophilic material.

Claim 4 (currently amended) The plant as in ~~Claim~~ claim 3 wherein said hydrophilic material has an average pore size in the range of 7 to 150 microns and void volumes of 35 to 50 percent.

Claim 5 (currently amended) The plant as in ~~Claim~~ claim 1 wherein said reactor is a fuel cell.

Claim 6 (currently amended) The plant as in ~~Claim~~ claim 1 wherein said solar still also comprises a roof comprised of material substantially transparent to solar radiation.

Claim 7 (currently amended) The plant as in ~~Claim~~ claim1 wherein said solar still is floating on salt water.

Claim 8 (currently amended) The plant as in ~~Claim~~ claim 1 wherein said solar still is located on land.

Claim 9 (cancelled)

Claim 10 (currently amended) A ~~plant~~ process for producing low deuterium drinking water comprising the steps of:

A) evaporating salt water in a solar still comprising:

4) 1) a black pan for absorbing radiation from the sun and transferring resulting solar heat energy to seawater to evaporate the seawater to produce water vapor,

5) 2) a condensate tank,

6) 3) a porous membrane, defining an upper side and a lower side, and positioned above said black pan ~~for condensing said water vapor into a condensate~~,

c) a) comprising diffusing ~~pours~~ pores permitting said condensate to diffuse from said lower side to said upper side, and

d) b) being positioned in a slope to permit said compensate on said upper side to drain into said condensate tank, and

B) treating the condensate produced in said solar still ~~a water treatment unit t~~ to reduce deuterium concentration in said condensate ~~in a treatment unit~~ comprising the steps of:

5) 1) ~~a~~ filtering water ~~filter~~ to produce filtered condensate,

6) 2) ~~an electralizer for~~ separating a portion of said filtered condensate into hydrogen and oxygen using an electralizer,

7) 3) ~~a reactor for~~ combining in a reactor at least a portion of said hydrogen and oxygen to produce heat energy and water having deuterium concentrations at least 50 percent lower than deuterium concentration in natural seawater, and

8) 4) ~~a heat transfer system to transfer~~ transferring with a heat transfer system heat energy produced in said reactor ~~to said reactor~~ to provide heat energy to supplement said solar heat energy.

Claim 11 (currently amended) The process as in ~~Claim~~ claim 10 and further comprising a step of selling said low deuterium water as drinking water.